

Work Order ID 148248

Tuesday, June 28, 2016 8:57:34 AM

148248

Page 1

Item ID: 649.4701

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: AW119 Cable Cutter System

Start Date: 7/20/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 7/27/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
649.4700	B3								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP 649.4701								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

DAS
6
9-89

JUL 13 2016

DAS
21
9-89

1607-14

DAS
27
9-89

JUL 18 2016

①

PC

JUL 15 2016

DAS
27
9-89

JUL 18 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
☐ Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified	☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due	☐ Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter		☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes		☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center		☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence	
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Run Start

NR1

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130	Packaging								
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP 649.4701 Location: _____								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.02							
Quality Control									

JUL 18 2016

DAS
21
9-89DAS
21
9-89

JUL 18 2016

DAS
21
9-89

JUL 18 2016

DQA: _____ Date: _____



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OTHER :									

Picklist Print

Tuesday, June 28, 2016 8:57:33 AM

Page 1

Work Order ID: 148248

148248

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 7/20/2016

Required Date: 7/27/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.11.05 NEW ISSUE DD VERF:JLM IPP
REV:B AS PER ECR 12-54 13-07-09 JLM VERIFIED BY:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

649.4902		Manufactured	No				Each	21.0000		1			
----------	--	--------------	----	--	--	--	------	---------	--	---	--	--	--

649 4902

Lower Cutter Assy

DAS
27
9-89

Location

Loc Qty

Loc Code

cck026

21

106196

2

108553

9

124742

10

649.4901

Manufactured No

Each

18.0000

649 4901

Upper Cutter Assy

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK025

18

106318

2

108550

9

122752

1

124739

2

124740

2

128190

2

649.5010

Manufactured No

Each

12.0000

649 5010

Deflector

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK041

12

109536

10

m127615

2

JUL 15 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Page 2

Work Order ID: 148248

148248

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 7/20/2016

Required Date: 7/27/2016

Start Qty: 1.00

Required Qty: 1.00

649.5214 Manufactured No

Each 9.0000

649 5214

Bracket

**

1

P2



DAS
27
9-89

Location

Loc Qty

Loc Code

cck125

9

109705

9

649.5212 Manufactured No

Each 9.0000

649 5212

Bracket

**

1

P2



DAS
27
9-89

Location

Loc Qty

Loc Code

cck125

9

109704

9

649.4811 Manufactured No

Each 10.0000

649 4811

Clip

**

1

PC



Location

Loc Qty

Loc Code

CCK121

10

92928

10

649.5012 Manufactured No

Each 22.0000

649 5012

Deflector

**

2

PC



DAS
27
9-89

Location

Loc Qty

Loc Code

CCK124

22

108969

18

109400

2

m127615

2

2

JUL 15 2016

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Page 3

Work Order ID: 148248

148248

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 7/20/2016

Required Date: 7/27/2016

Start Qty: 1.00

Required Qty: 1.00

649.5013 Manufactured No

Each 24.0000 2

649 5013

Deflector

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK063

24

109385

24

Each 12.0000

649.5011 Manufactured No

649 5011

Deflector

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK124

12

109551

12

Each 7.0000

649.5210 Manufactured No

649 5210

Doubler

DAS
27
9-89

Location

Loc Qty

Loc Code

cck023a

7

131149

7

Each 18.0000

649.4814 Manufactured No

649 4814

Doubler

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK121

18

131033

6

92931

12

JUL 15 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

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Work Order ID: 148248

148248

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 7/20/2016

Required Date: 7/27/2016

Start Qty: 1.00

Required Qty: 1.00

649.4816 Manufactured No

Each 13.0000

649 4816

Doubler

**

Location

Loc Qty

Loc Code

CCK063

13

126245

12

92933

1

601.3493 Manufactured No

Each 35.0000

601 3493

Quick Release Pins

**

Location

Loc Qty

Loc Code

cck101

35

109200

3

m127615

32

649.5211 Manufactured No

Each 23.0000

649 5211

Shim

**

Location

Loc Qty

Loc Code

cck125

23

108557

23

649.4813 Manufactured No

Each 28.0000

649 4813

Shim

**

Location

Loc Qty

Loc Code

CCK121

28

92930

28

DAS
27
9-89

JUL 15 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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Picklist Print

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Page 5

Work Order ID: 148248

148248

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 7/20/2016

Required Date: 7/27/2016

Start Qty: 1.00

Required Qty: 1.00

649.5213
649 5213
Doubler

Manufactured No

Each 19.0000 2

PC 1

DAS
27
9-89

Location

Loc Qty

Loc Code

cck125

19

108558

12

131093

6

m127615

1

2

649.4812
649 4812
Shim

Manufactured No

Each 14.0000

PC 1

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK062

14

131150

8

92929

5

m127615

1

1

649.4815
649 4815
Shim

Manufactured No

Each 29.0000

PC 3

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK062

29

92932

18

m127615

11

3

646.9910
646 9910
Struts

Manufactured No

Each 39.0000

PC 4

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK014

39

142643

25

93189

14

4

JUL 15 2016

Tuesday, June 28, 2016 8:57:33 AM

Shop Packet Print

Page 5

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			Completed By
					Lead hand / Supervisor Approval Verification
					QC / QA Coordinator Approval
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

Tuesday, June 28, 2016 8:57:33 AM

Page 6

Work Order ID: 148248

148248

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 7/20/2016

Required Date: 7/27/2016

Start Qty: 1.00

Required Qty: 1.00

647.9014 Manufactured No

Each 162.0000

8

647 9014

Strut Bracket

**

PC

9-89

DAS
27
9-89

Location Loc Qty Loc Code

cck023a 160

93290 160

cck117 2

93290 2

649.5110 Manufactured No

Each 34.0000

649 5110

Wiper Deflector

**

PC

9-89

DAS
27
9-89

Location Loc Qty Loc Code

CCK032a 30

108877 30

cck125 4

108554 4

649.5111 Manufactured No

Each 16.0000

649 5111

LH Wiper Deflector

**

PC

9-89

DAS
27
9-89

Location Loc Qty Loc Code

CCK064 16

108618 7

108619 3

108786 2

126882 4

JUL 15 2016

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																															
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OTHER :																																																																							

Picklist Print

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Work Order ID: 148248

148248

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 7/20/2016

Required Date: 7/27/2016

Start Qty: 1.00

Required Qty: 1.00

649.5112 Manufactured No

Each 18.0000 1

649 5112

Wiper Deflector

**

PC



Location Loc Qty Loc Code

CCK064 18

108918 14

129406 4

Purchased No

Each 200.0000 8

**

PC



DAS
27
9-89

AN3C12A

AN3C12A

Bolt

Location Loc Qty Loc Code

GA 43

M128727 9

M133990 34

OVER002 75

M134955 75

ST349 82

M128727 1

M133790 2

M134257 4

M134606 75

Purchased No

Each 98.0000 4

**

PC



DAS
27
9-89

AN4C5A

AN4C5A

Bolt

Location Loc Qty Loc Code

FP001 49

m133990 49

ST345 49

m134478 49

DAS
27
9-89

JUL 15 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Picklist Print

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Work Order ID: 148248

148248

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 7/20/2016

Required Date: 7/27/2016

Start Qty: 1.00

Required Qty: 1.00

AN4C7A Purchased No

Each 88.0000

2

AN4C7A

BOLT

**

PC 

DAS
27
9-89

Location

Loc Qty

Loc Code

OVER002

60

m134861

60

ST345

28

m133523

20

m133990

8

Each

3,639.000

2

**

PC 

NAS1097AD-4-3

Purchased

No

NAS1097AD-4-3

Cherry Rivet

DAS
27
9-89

Location

Loc Qty

Loc Code

ST267

3639

123648

3560

m127615

79

Each

100.0000

16

**

X16 M134142 PC 

CR3213-5-03

Purchased

No

CR3213-5-03

Cherry Rivet

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK003

100

m134754

100

Each

144.0000

29

**

PC 

CR3213-4-05

Purchased

No

CR3213-4-05

RIVET

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK003

100

m135056

100

ST319

44

m134852

44

29

JUL 15 2016

Tuesday, June 28, 2016 8:57:33 AM

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER :									

Picklist Print

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Tuesday, June 28, 2016 8:57:33 AM

Work Order ID: 148248

148248

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 7/20/2016

Required Date: 7/27/2016

Start Qty: 1.00

Required Qty: 1.00

CR3213-5-05

Purchased

No

Each

151.0000

20

CR3213-5-05

Cherry Rivet

**

PC 

Location

Loc Qty

Loc Code

ST319

151

123648

151

Each

686.0000

31

CR3213-6-12

Purchased

No

CR3213-6-12

RIVET

**

PC 

Location

Loc Qty

Loc Code

CCK003

600

123845

400

m127410

200

ST318

86

m127615

86

Each

86.0000

2

CR3214-5-02

Purchased

No

CR3214-5-02

Cherry Rivet

**

PC 

Location

Loc Qty

Loc Code

ST318

86

123648

86

Each

326.0000

8

NAS1832-3-7

Purchased

No

NAS1832-3-7

Insert

**

PC 

Location

Loc Qty

Loc Code

ST548

326

123694

84

m127432

50

m127615

192

DAS
27
9-89

9

JUL 15 2016

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
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Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER :			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

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Tuesday, June 28, 2016 8:57:33 AM

Work Order ID: 148248

148248

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 7/20/2016

Required Date: 7/27/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1832-4-7

Purchased

No

Each

48.0000

2

NAS1832-4-7

Insert

DAS
27
9-89

Location

Loc Qty

Loc Code

ST548

48

123758

40

m127615

8

Each

0.0000

2

NAS1834C-300

NAS1834C3-300

Purchased

No

NAS1834C-300

not a good# see NAS1834C3-300AS

MS21042L08

27

Purchased

No

Each

1,188.000

14

MS21042L08

Nut

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

280

m133134

3

m134063

277

ST303

891

m133922

37

m134574

4

m134654

300

m134962

200

m135046

350

ST308

17

m134376

17

JUN 15 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER : _____									

Picklist Print

Page 11

Tuesday, June 28, 2016 8:57:33 AM

Work Order ID: 148248

148248

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 7/20/2016

Required Date: 7/27/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042L3

Purchased

No

Each

1,775.000

25

MS21042L3

Nut

PC 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK007

600

m135056

600

FP001

32

m133790

32

GA

171

m133790

3

m134360

168

ST303

972

m134039

12

m134634

2

m134754

158

m134943

800

25

MS21042L4

Purchased

No

Each

1,993.000

MS21042L4

Locknut

PC 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

161

m133769

161

OVER007

500

m134955

500

ST303

1238

m127376

12

m134861

726

m135058

500

ST305

94

m130922

94

JUL 15 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Picklist Print

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Tuesday, June 28, 2016 8:57:33 AM

Work Order ID: 148248

148248

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 7/20/2016

Required Date: 7/27/2016

Start Qty: 1.00

Required Qty: 1.00

MS21059-3 Purchased No

Each 529.0000 6

MS21059-3

Nut Plate

DAS
27
9-89

Location

Loc Qty

Loc Code

CA
123301
ST301
123023
123900

6
6
523
50
473

6

MS20426AD3-5 Purchased No

Each 4,357.000 12

MS20426AD3-5

Rivet

DAS
27
9-89

Location

Loc Qty

Loc Code

GA
4533
ST312
4444

4118
4118
239
239

12

MS20470AD4-3 Purchased No

Each 470.0000 23

MS20470AD4-3

Rivet - Universal Head

DAS
27
9-89

Location

Loc Qty

Loc Code

GA
2193

470
470

23

MS20470AD5-9 Purchased No

Each 350.0000 4

MS20470AD5-9

Rivet

DAS
27
9-89

Location

Loc Qty

Loc Code

ST309
m123900
m125807
m127615

350
22
50
278

4

JUL 15 2016

Tuesday, June 28, 2016 8:57:33 AM

Shop Packet Print

Page 12

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
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Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Picklist Print

Page 13

Tuesday, June 28, 2016 8:57:33 AM

Work Order ID: 148248

148248

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 7/20/2016

Required Date: 7/27/2016

Start Qty: 1.00

Required Qty: 1.00

MS20470AD5-11

Purchased

No

Each

1,078.000

8

MS20470AD5-11

Rivet

PC

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK004

189

m127615

189

ST309

889

107100

889

2

PC

MS24694-S57

Purchased

No

Each

86.0000

2

MS24694-S57

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

ST283

86

M127380

86

2

MS24694-S13

Purchased

No

Each

82.0000

3

MS24694-S13

Screw

PC

DAS
27
9-89

Location

Loc Qty

Loc Code

ST284

82

123648

82

3

MS24694-S58

Purchased

No

Each

90.0000

2

MS24694-S58

SCREW

DAS
27
9-89

Location

Loc Qty

Loc Code

ST283

90

m131317

90

2

JUL 15 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																															
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Picklist Print

Page 14

Tuesday, June 28, 2016 8:57:34 AM

Work Order ID: 148248

148248

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 7/20/2016

Required Date: 7/27/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-18

Purchased

No

Each

1,793.000

4

MS27039-1-18

Screw

PC 173 6 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

247

123522

51

124326

196

over006

1373

124326

1373

ST280

173

124326

173

Each

750.0000

4

PC 173 6 9-89

MS27039-1-14

Purchased

No

MS27039-1-14

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

94

120449

94

over006

500

124326

500

ST280

156

124326

156

Each

316.0000

3

P 173 6 9-89

MS27039-08-24

Purchased

No

MS27039-08-24

Screw (MS27039-0824)

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

279

124326

279

ST277

37

125654

37

3

JUL 15 2016

Tuesday, June 28, 2016 8:57:34 AM

Shop Packet Print

Page 14

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
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Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
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Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
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Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
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649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 7/20/2016

Required Date: 7/27/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-13

Purchased

No

Each

654.0000

13

MS27039-1-13

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

70

124326

70

over006

295

124326

295

ST280

289

125654

289

MS27039-08-19

Purchased

No

Each

578.0000

6

MS27039-08-19

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

388

m132930

84

m133077

22

m134063

82

m134294

100

m135046

100

ST277

190

m134142

190

MS27039-1-25

Purchased

No

Each

130.0000

2

MS27039-1-25

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

over006

100

m127432

100

ST279

30

102602

30

JUL 15 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Picklist Print

Page 16

Tuesday, June 28, 2016 8:57:34 AM

Work Order ID: 148248

148248

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 7/20/2016

Required Date: 7/27/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-08

Purchased

No

Each

466.0000

4

MS27039-1-08

Screw

**

PC 9-89

DAS
27
9-89

Location	Loc Qty	Loc Code
FP001	75	
m128636	75	
GA	73	
125654	2	
m128636	71	
ST281	318	
m134502	18	
m134762	300	

7
6

MS27039-1-10

Purchased

No

Each

294.0000

MS27039-1-10

SCREW

**

PC

DAS
27
9-89

Location	Loc Qty	Loc Code
CA	41	
m128635	41	
GA	14	
m129541	14	
ST280	239	
m134676	239	

2
11

AN970-3

Purchased

No

Each

209.0000

AN970-3

Washers

**

PC 9-89

DAS
27
9-89

Location	Loc Qty	Loc Code
ST260a	198	
m129630	198	
ST321	11	
m128057	11	

2

JUL 15 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval																																																									
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								QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

Page 17

Tuesday, June 28, 2016 8:57:34 AM

Work Order ID: 148248

148248

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 7/20/2016

Required Date: 7/27/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0332P

Purchased

No

Each

3,179.000

53

NAS1149F0332P

Washer

PC



Location

Loc Qty

Loc Code

GA

312

m133709

312

ST262

2867

m134257

37

m134676

830

m135058

2000

53

23

PC



NAS1149FN832P

Purchased

No

Each

3,303.000

NAS1149FN832P

Washer

Location

Loc Qty

Loc Code

GA

397

M133316

16

M133769

381

ST260a

2800

M134257

1200

M135058

1600

ST263

106

M133709

106

23

8

PC



NAS1149F0432P

Purchased

No

Each

1,555.000

NAS1149F0432P

WASHER

Location

Loc Qty

Loc Code

ST260a

1000

M134955

1000

ST262

555

M134502

555

8

JUL 15 2016

Tuesday, June 28, 2016 8:57:34 AM

Shop Packet Print

Page 17

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ ** NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By																	
								Lead hand / Supervisor Approval Verification																	
								QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			OTHER : _____																	

Picklist Print

Tuesday, June 28, 2016 8:57:34 AM

Work Order ID: 148248

148248

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 7/20/2016

Required Date: 7/27/2016

Start Qty: 1.00

Required Qty: 1.00

NAS620C-10L

Purchased

No

Each

288.0000

8

***NAS620C-10I ***

Washer

**

PC

DAS
27
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

st552

288

123648

43

m127432

245

601.2045

Purchased

No

Each

9.0000

6012045

RTV (LOCTITE 598)McMaster p/n: 6641A41

**

x1 pc 135 135

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK096

1

m133588

1

GA

8

m134260

8

600.1012

Purchased

No

Each

14.0000

6001012

Sealant PR1425B2 (#654 sem)

**

PC

DAS
27
9-89

11/16

Location

Loc Qty

Loc Code

cck017

13

m134249

3

m134634

10

cck018

1

m131364

1

10/30/2015

MS24694-S14

Purchased

No

Each

89.0000

MS24694-S14

Screw

**

PC

DAS
27
9-89

JUL 15 2016

DAS
27
9-89

Location

Loc Qty

Loc Code

ST284

89

123648

89

Tuesday, June 28, 2016 8:57:34 AM

Shop Packet Print

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

Page 19

Tuesday, June 28, 2016 8:57:34 AM

Work Order ID: 148248

148248

Parent Item: 649.4701

649 4701

Parent Item Name: AW119 Cable Cutter System

Start Date: 7/20/2016

Required Date: 7/27/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0363P

Purchased

No

Each

349.0000

16

NAS1149F0363P

PC

WASHER

Location

Loc Qty

Loc Code

ST262

349

124555

349

16

JUL 15 2016

DAS
27
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
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REFERENCE ONLY

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

NOTES:

1. APPLY F/N 62 TO FAYING SURFACES.
2. AFTER INSTALLATION, APPLY F/N 63 A/R TO FILL GAPS AND FILLET EDGES

2/B7

DETAIL A

3/B7

DETAIL B

DETAIL D

5/B6

DETAIL C

4/B7

UNINCORPORATED ECN(S)

03732, 03885, 044210

FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
4-16	66	601.3151	WASHER	NAS1149F0363P
2	65	601.3537	DELETED	
1	64	600.1012	SEALANT	PR-1425 CLAS B
1	62	601.2045	RIV	LOCITITE 598
8	61	601.2381	WASHER	NAS520C-10L
8	60	601.2638	WASHER	NAS1149F0432P
23	59	601.2764	WASHER	NAS1149F0832P
53	58	601.1607	WASHER	NAS1149F0332P
2	57	601.3470	WASHER	AN970-3
6	56	601.1365	SCREW	MS27039-1-10
4	55	601.1621	SCREW	MS27039-1-10B
2	54	601.3289	SCREW	MS27039-1-25
6	53	601.2765	SCREW	MS27039-0819
13	52	601.3190	SCREW	MS27039-1-13
3	51	601.3124	SCREW	MS27039-0824
4	50	601.1622	SCREW	MS27039-1-14
4	49	601.2910	SCREW	MS27039-1-18

REVISIONS				
REV.	DESCRIPTION	DATE	APPROVED	
N/C	LAST PROTOTYPE REVISION: PR2	01-26-2012	P. BRAVO	N/C
A	INITIAL RELEASE	04-17-2012	P. BRAVO	
B	INCORPORATED ECN 03444, 03489	05-29-2012	P. BRAVO	
	INCORPORATED ECN 03527			

2	48	601.3252	SCREW	MS24694S58
3	47	601.3536	SCREW	MS24694S13
2	46	601.3146	SCREW	MS24694C57
8	45	601.1125	RIVET	MS20470ADS-11
4	44	601.2542	RIVET	MS20470ADS-9
	43		DELETED	
23	42	601.1773	RIVET	MS20470AD4-3
12	41	601.1616	RIVET	MS20470AD3-5
6	40	601.1900	NUTPLATE	MS21059-3
1	39	601.3209	LOCKNUT	MS21042L4
25	38	601.1624	LOCKNUT	MS21042L3
14	37	601.1541	LOCKNUT	MS21042L8
2	36	601.3008	INSERT	NAS1834C-300
2	35	601.3468	INSERT	NAS1832-4-7
8	34	601.3459	INSERT	NAS1832-3-7
2	33	601.3474	CHERRY RIVET	CR3214-5-02
31	32	601.3496	CHERRY RIVET	CR3213-6-12
20	31	601.3472	CHERRY RIVET	CR3213-5-05
29	30	601.1183	CHERRY RIVET	CR3213-4-05
	29		DELETED	
16	28	601.2020	CHERRY RIVET	CR3213-5-02
2	27	601.3473	CHERRY RIVET	NAS1077AD-4-3
2	26	601.2669	BOLT	AN4C7A
4	25	601.3555	BOLT	AN4C5A
8	24	601.0788	BOLT	AN3C12A
1	23	649.5112	WIPER DEFLECTOR	
1	22	649.5111	WIPER DEFLECTOR	
2	21	649.5110	WIPER DEFLECTOR	
8	20	647.9014	STRUT BRACKET	
4	19	646.9910	STRUT	
3	18	649.4815	SHIM	
1	17	649.4812	SHIM	
2	16	649.5213	DOUBLER	
2	15	649.4813	SHIM	
1	14	649.5211	SHIM	
2	13	601.3493	QUICK RELEASE PIN	
1	12	649.4816	DOUBLER	
2	11	649.4814	DOUBLER	
2	10	649.5210	DOUBLER	
1	9	649.5011	DEFLECTOR	
2	8	649.5013	DEFLECTOR	
2	7	649.5012	DEFLECTOR	
1	6	649.4811	CUP	
1	5	649.5212	BRACKET	
1	4	649.5214	BRACKET	
1	3	649.5010	DEFLECTOR	
2	2	649.4901	UPPER CUTTER ASSY	
1	1	649.4902	LOWER CUTTER ASSY	
		649.4701	A119 CABLE CUTTERS KIT	

QTY	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.

PARTS LIST				
QTY	FIND #	PART #	DESCRIPTION	MAT'L

ORIGINAL DATE	04-17-2012
DRAWN BY	J. COCHRAN
CHECKED	P. BRAVO
DESIGNING APPROVAL	
CONTRACT NO.	

UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ARE:	
3 PLACE DECIMALS ±0.010	
ANGLES ± 5°	

APICAL INDUSTRIES	
2608 TEMPLE HEIGHTS DR.	
OCEANSIDE, CA. 92056-3512 (760)724-5300	
A119 CABLE CUTTERS KIT	
649.4700	
SCALE NONE	SHEET 1 OF 5

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03732				SHEET 1 OF 1	
	DWG NO. 649.4700		REV: B	PREPARED BY B. PETERS	DATE: 12/08/12	EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: A119 CABLE CUTTERS KIT					
	APPROVED BY:	ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: NEXT ORDER	
TRANSACTION CODES (TC) A-ADD C-CREATE R-REVISE D-DELETE	REASON: REVISED SUPPLIER PART NUMBERS ON BOM.				ECR: 12-54	

REFERENCE ONLY

SHEET 1, BOM IS:

46	R	601.3146	2		SCREW	MS24694S57	
36	R	601.3008	2		INSERT	NAS1834C3-300	
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:		☐ RFMS ☐ MDL ☐ INSTALL INSTRUCC ☐ ICA ☒ BOM				CHANGE CATEGORY ☐ MAJOR ☒ MINOR	DER REVIEW REQUIRED ☐ YES ☒ NO

REFERENCE ONLY

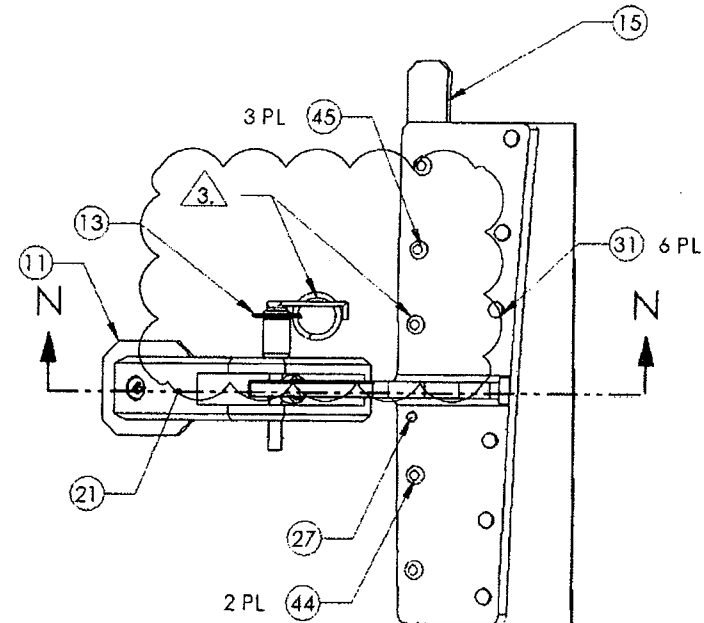
APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03885				SHEET 1 OF 1	
	DWG NO. 649.4700		REV: B	PREPARED BY J. BAINI	DATE: 05/15/13	EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: A119 CABLE CUTTERS KIT					
	APPROVED BY:	ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: UPDATED LOCATION/NOTES FOR F/N 13				ECR:

SHEET 1, ZONE A1, IS:

NOTES:

1. APPLY F/N 62 TO FAYING SURFACES.
2. AFTER INSTALLATION, APPLY F/N 63 A/R TO FILL GAPS AND FILLET EDGES
3. MATCH DRILL HOLE ON TAB OF F/N 13 TO FIT RIVET F/N 45

SHEET 3, ZONE D4, IS:



13	R	601.3493	2		QUICK RELEASE PIN		3.
F/N	TC	PART NUMBER	.4701	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:					☐ RFMS ☐ MDL ☐ INSTALL INSTRU ☐ ICA ☒ BOM		
					CHANGE CATEGORY ☐ MAJOR ☒ MINOR		DER REVIEW REQUIRED ☐ YES ☒ NO